



# 868MHz ROB ANTENNA

## TECHNICAL DATA SHEET

TX868-JKD-20

VERSION: 3.2 DATA: 2020-11-06

TEL: 028-61542639 WEBSITE: WWW.ZIISOR.COM

CHENGDU ZIISOR TECHNOLOGY CO., LTD. EXPERT OF IOT ANTENNA

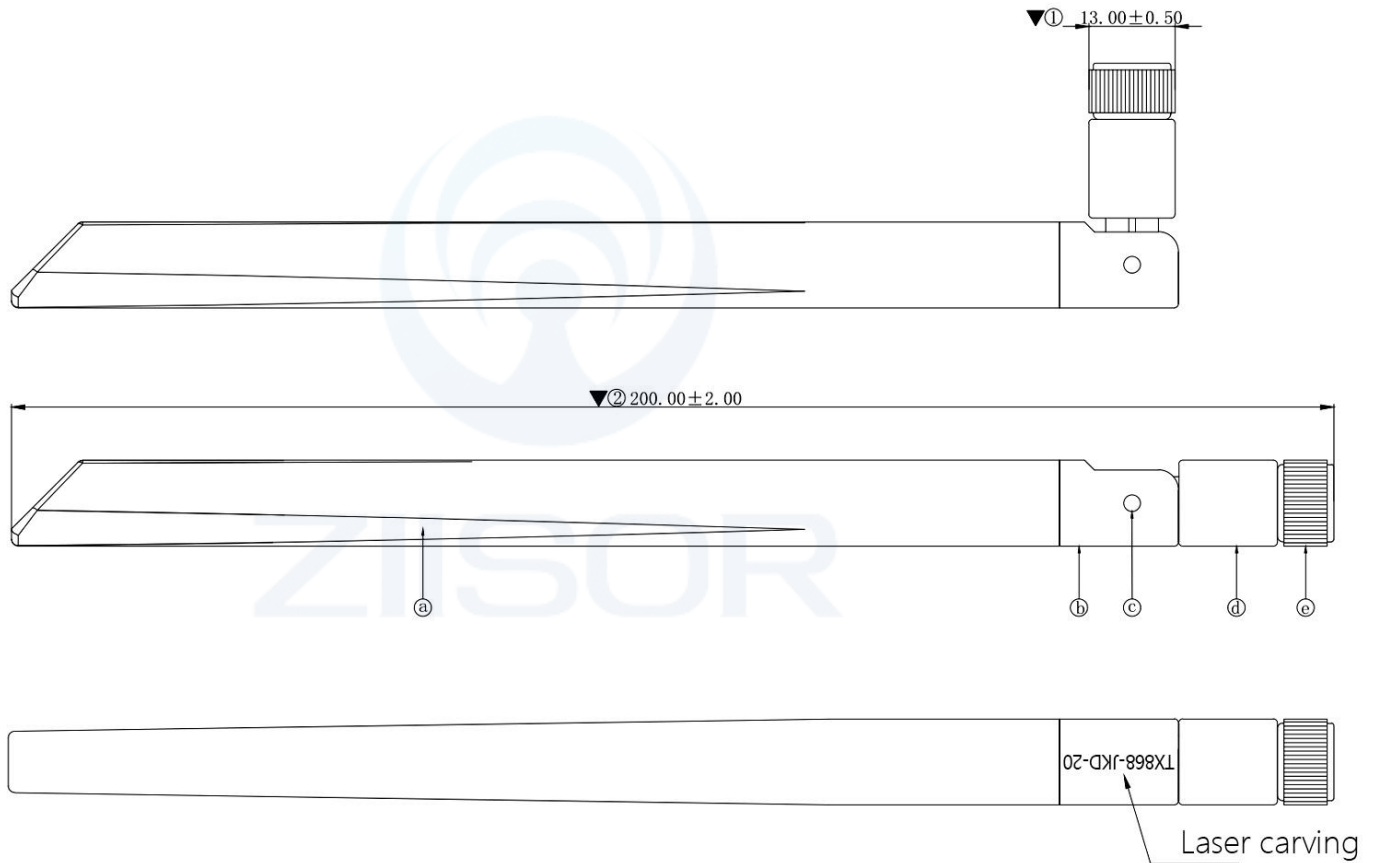


TX868-JKD-20

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NO.	MECHANICAL SPECIFICATIONS	VALUE	COMMENT
01	Part Number	TX868-JKD-20	868MHz Rob Antenna
02	Material	TPEE	
03	Material of Radiator	CU	
04	Connector Type	SMA-J	
05	Antenna Colour	Black	
06	Overall Length	200mm	OD13mm
07	Cable Type	N/A	
08	Cable Length	N/A	
09	Weight	22g	±2g
NO.	ELECTRICAL SPECIFICATIONS	VALUE	COMMENT
01	Frequency	868MHz	830~890MHz
02	Antenna Gain	4.3dBi	
03	Radiation type	Omnidirectional	
04	Polarization	Linear	Vertical
05	Nominal Impedance	50Ω	
06	Power Standing	20W	
07	S.W.R.	≤2.5	
NO.	ENVIRONMENTAL SPECIFICATIONS	VALUE	COMMENT
01	Operation Temperature	-30°C ~ +75°C	
02	Storage Temperature	-30°C ~ +75°C	
03	RoHS Compliant	YES	

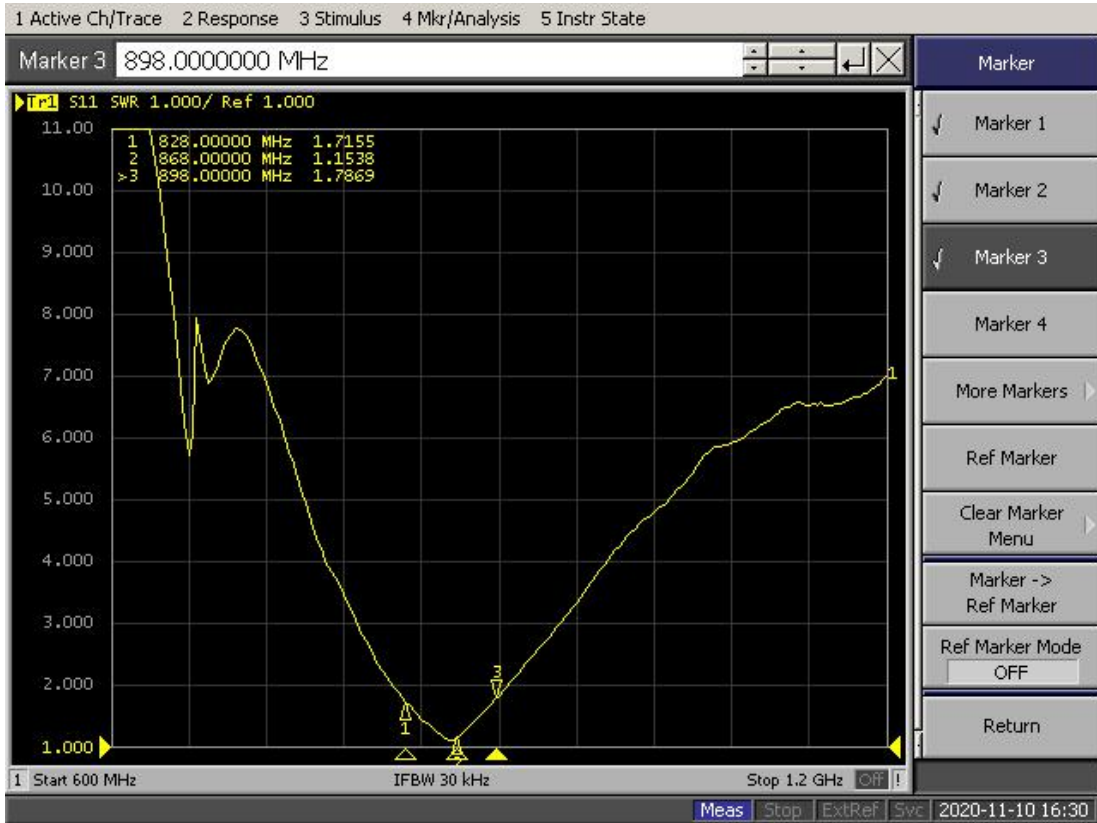
MECHANICAL DRAWING



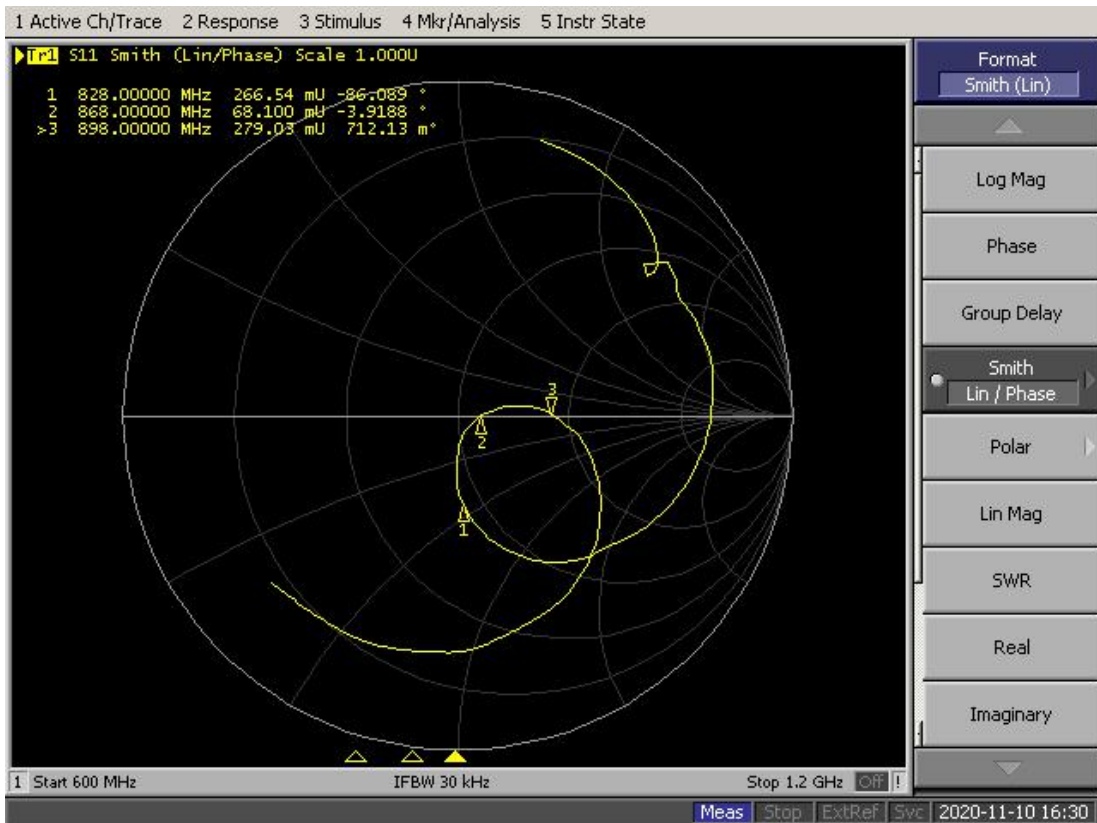
UNIT: mm

ITEM	PART NAME	QUANTITY	MATERIAL / FINISH
a	Shell	1	TPEE Black
b	Antenna Base	1	PC+PBT Black
c	Rivet	2	POM Black
d	Antenna Base	1	PC+PBT Black
e	Connector	1	SMA-J Nickel plated

S.W.R.



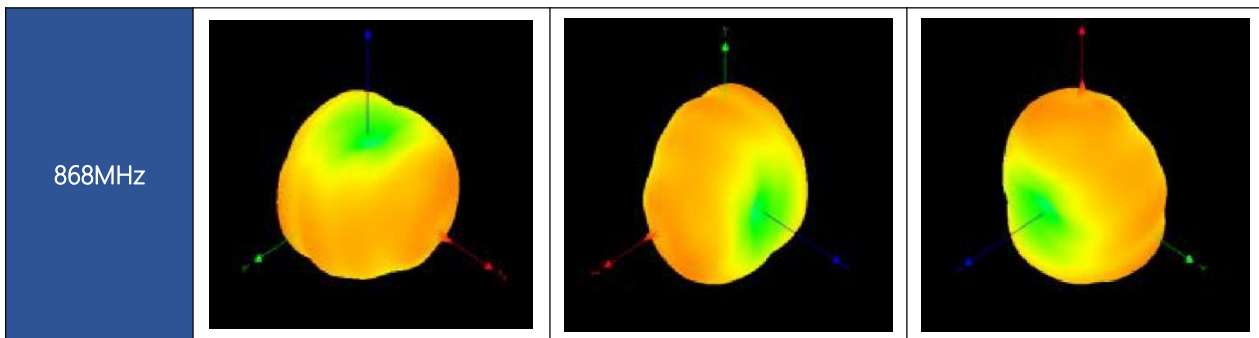
SMITH



## EFFICIENCY/GAIN TEST

No.	Frequency Hz	Efficiency %	Gain dBi
01	860M	61.45	3.29
02	865M	68.16	3.85
03	870M	71.66	3.88
04	875M	68.72	4.36
05	880M	71.62	4.26
06	885M	77.05	4.33
07	890M	78.17	4.44
08	895M	79.54	4.26

## RADIATION PATTERN



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